

## SEQUENCE LISTING

&lt;110&gt; Bristol-Myers Squibb Company

<120> POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,  
HGPRBMY27

&lt;130&gt; D0134.NP

&lt;150&gt; US 60/273,808

&lt;151&gt; 2001-03-07

&lt;150&gt; US 60/278,983

&lt;151&gt; 2001-03-27

&lt;160&gt; 75

&lt;170&gt; PatentIn version 3.0

&lt;210&gt; 1

&lt;211&gt; 2580

&lt;212&gt; DNA

&lt;213&gt; homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (457)..(1482)

&lt;400&gt; 1

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tcaattaagg gtctgggggg tggccacctg gccactttgg aaaattgcaa gcatttccaa 180

gcttcatccg gctccagggt tggcctctcc aaaaggcagg cggctttaa acgggttcca 240

acagaaagga cctcccttgg tctcctcaat tcctggctgg agtttctttt ctcgtgttgt 300

ggaaggattc caaaccacaca cacacaggac ccgcattctg ggtgtatgaag tcagacacgc 360

agcagctggg tgagtgtac gctcaagata agcatctgtg ccattgtggg gactccctgg 420

gctgctctgc acccgacac ttgctctgtc cccgcc atg tac aac ggg tgc tgc 474

Met Tyr Asn Gly Ser Cys  
1 5

tgc cgc atc gag ggg gac acc atc tcc cag gtg atg ccg ccg ctg ctc 522

Cys Arg Ile Glu Gly Asp Thr Ile Ser Gln Val Met Pro Pro Leu Leu

10

15

20

att gtg gcc ttt gtg ctg ggc gca cta ggc aat ggg gtc gcc ctg tgt 570

Ile Val Ala Phe Val Leu Gly Ala Leu Gly Asn Gly Val Ala Leu Cys

25

30

35

ggt ttc tgc ttc cac atg aag acc tgg aag ccc agc act gtt tac ctt 618

Gly Phe Cys Phe His Met Lys Thr Trp Lys Pro Ser Thr Val Tyr Leu

40	45	50	
ttc aat ttg gcc gtg gct gat ttc ctc ctt atg atc tgc ctg cct ttt Phe Asn Leu Ala Val Ala Asp Phe Leu Leu Met Ile Cys Leu Pro Phe			666
55	60	65	70
cg <del>g</del> aca gac tat tac ctc aga cgt aga cac tgg gct ttt ggg gac att Arg Thr Asp Tyr Tyr Leu Arg Arg His Trp Ala Phe Gly Asp Ile			714
75	80		85
ccc tgc cga gtg ggg ctc ttc acg ttg gcc atg aac agg gcc ggg agc Pro Cys Arg Val Gly Leu Phe Thr Leu Ala Met Asn Arg Ala Gly Ser			762
90	95		100
atc gtg ttc ctt acg gtg gtg gct gcg gac agg tat ttc aaa gtg gtc Ile Val Phe Leu Thr Val Val Ala Ala Asp Arg Tyr Phe Lys Val Val			810
105	110		115
cac ccc cac cac gc <del>g</del> gtg aac act atc tcc acc cgg gtg gc <del>g</del> gct ggc His Pro His His Ala Val Asn Thr Ile Ser Thr Arg Val Ala Ala Gly			858
120	125		130
atc gtc tgc acc ctg tgg gcc ctg gtc atc ctg gga aca gtg tat ctt Ile Val Cys Thr Leu Trp Ala Leu Val Ile Leu Gly Thr Val Tyr Leu			906
135	140		145
150			150
ttg ctg gag aac cat ctc tgc gtg caa gag acg gcc gtc tcc tgt gag Leu Leu Glu Asn His Leu Cys Val Gln Glu Thr Ala Val Ser Cys Glu			954
155	160		165
agc ttc atc atg gag tcg gcc aat ggc tgg cat gac atc atg ttc cag Ser Phe Ile Met Glu Ser Ala Asn Gly Trp His Asp Ile Met Phe Gln			1002
170	175		180
ctg gag ttc ttt atg ccc ctc ggc atc atc tta ttt tgc tcc ttc aag Leu Glu Phe Phe Met Pro Leu Gly Ile Ile Leu Phe Cys Ser Phe Lys			1050
185	190		195
att gtt tgg agc ctg agg cgg agg cag cag ctg gcc aga cag gct cgg Ile Val Trp Ser Leu Arg Arg Gln Gln Leu Ala Arg Gln Ala Arg			1098
200	205		210
atg aag aag gc <del>g</del> acc cgg ttc atc atg gtg gtg gca att gtg ttc atc Met Lys Lys Ala Thr Arg Phe Ile Met Val Val Ala Ile Val Phe Ile			1146
215	220		225
			230
aca tgc tac ctg ccc agc gtg tct gct aga ctc tat ttc ctc tgg acg Thr Cys Tyr Leu Pro Ser Val Ser Ala Arg Leu Tyr Phe Leu Trp Thr			1194
235	240		245
gtg ccc tcg agt gcc tgc gat ccc tct gtc cat ggg gcc ctg cac ata Val Pro Ser Ser Ala Cys Asp Pro Ser Val His Gly Ala Leu His Ile			1242
250	255		260
acc ctc agc ttc acc tac atg aac agc atg ctg gat ccc ctg gtg tat Thr Leu Ser Phe Thr Tyr Met Asn Ser Met Leu Asp Pro Leu Val Tyr			1290
265	270		275

tat ttt tca agc ccc tcc ttt ccc aaa ttc tac aac aag ctc aaa atc	1338
Tyr Phe Ser Ser Pro Ser Phe Pro Lys Phe Tyr Asn Lys Leu Lys Ile	
280 285 290	
tgc agt ctg aaa ccc aag cag cca gga cac tca aaa aca caa agg ccg	1386
Cys Ser Leu Lys Pro Lys Gln Pro Gly His Ser Lys Thr Gln Arg Pro	
295 300 305 310	
gaa gag atg cca att tcg aac ctc ggt cgc agg agt tgc atc agt gtg	1434
Glu Glu Met Pro Ile Ser Asn Leu Gly Arg Arg Ser Cys Ile Ser Val	
315 320 325	
gca aaa gtt tcc aaa gcc agt ctg atg ggc aat ggg atc ccc act tgt	1482
Ala Lys Val Ser Lys Ala Ser Leu Met Gly Asn Gly Ile Pro Thr Cys	
330 335 340	
tgagtggcac tgaacaagca gaccaacaac actgaggaag atagagtggt gacttagaat	1542
taactcgtgc taaggggtcg ggggcttga aaatgccacc cccctttctt attgcaagac	1602
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caatggcagg ggacagaatg tgcattggagt ggagcatgtg tttgttggga gggggctag	1782
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cacaggcgtg agccaccgtg cccggccctcc cctgtgtcat tttaatggc taagtaatgt	2142
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caatcaatgc ttatatttcag gccgaatgag gctctttaga ttggatcta ttgatctatc	2322
aattttcatc ttacatttc tttgtacatc tgtacatttt gtccaaatgt acatctgtac	2382
gtctgtcatc attgtgactt cctggtagcc caagaagaac aacaacaaaa caatctgctc	2442
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aaaaaaaaaaaa aaaaaaaaaaaaa	2580

<211> 342  
<212> PRT  
<213> homo sapiens

<400> 2

Met Tyr Asn Gly Ser Cys Cys Arg Ile Glu Gly Asp Thr Ile Ser Gln  
1 5 10 15

Val Met Pro Pro Leu Leu Ile Val Ala Phe Val Leu Gly Ala Leu Gly  
20 25 30

Asn Gly Val Ala Leu Cys Gly Phe Cys Phe His Met Lys Thr Trp Lys  
35 40 45

Pro Ser Thr Val Tyr Leu Phe Asn Leu Ala Val Ala Asp Phe Leu Leu  
50 55 60

Met Ile Cys Leu Pro Phe Arg Thr Asp Tyr Tyr Leu Arg Arg Arg His  
65 70 75 80

Trp Ala Phe Gly Asp Ile Pro Cys Arg Val Gly Leu Phe Thr Leu Ala  
85 90 95

Met Asn Arg Ala Gly Ser Ile Val Phe Leu Thr Val Val Ala Ala Asp  
100 105 110

Arg Tyr Phe Lys Val Val His Pro His His Ala Val Asn Thr Ile Ser  
115 120 125

Thr Arg Val Ala Ala Gly Ile Val Cys Thr Leu Trp Ala Leu Val Ile  
130 135 140

Leu Gly Thr Val Tyr Leu Leu Leu Glu Asn His Leu Cys Val Gln Glu  
145 150 155 160

Thr Ala Val Ser Cys Glu Ser Phe Ile Met Glu Ser Ala Asn Gly Trp  
165 170 175

His Asp Ile Met Phe Gln Leu Glu Phe Phe Met Pro Leu Gly Ile Ile  
180 185 190

Leu Phe Cys Ser Phe Lys Ile Val Trp Ser Leu Arg Arg Arg Gln Gln  
195 200 205

Leu Ala Arg Gln Ala Arg Met Lys Lys Ala Thr Arg Phe Ile Met Val  
210 215 220

Val Ala Ile Val Phe Ile Thr Cys Tyr Leu Pro Ser Val Ser Ala Arg  
225 230 235 240

Leu Tyr Phe Leu Trp Thr Val Pro Ser Ser Ala Cys Asp Pro Ser Val  
245 250 255

His Gly Ala Leu His Ile Thr Leu Ser Phe Thr Tyr Met Asn Ser Met  
260 265 270

Leu Asp Pro Leu Val Tyr Tyr Phe Ser Ser Pro Ser Phe Pro Lys Phe  
275 280 285

Tyr Asn Lys Leu Lys Ile Cys Ser Leu Lys Pro Lys Gln Pro Gly His  
290 295 300

Ser Lys Thr Gln Arg Pro Glu Glu Met Pro Ile Ser Asn Leu Gly Arg  
305 310 315 320

Arg Ser Cys Ile Ser Val Ala Lys Val Ser Lys Ala Ser Leu Met Gly  
325 330 335

Asn Gly Ile Pro Thr Cys  
340

<210> 3  
<211> 362  
<212> PRT  
<213> GALLUS GALLUS

<400> 3

Met Thr Glu Ala Leu Ile Ser Ala Ala Leu Asn Gly Thr Gln Pro Glu  
1 5 10 15

Leu Leu Ala Gly Gly Trp Ala Ala Gly Asn Ala Thr Thr Lys Cys Ser  
20 25 30

Leu Thr Lys Thr Gly Phe Gln Phe Tyr Tyr Leu Pro Thr Val Tyr Ile  
35 40 45

Leu Val Phe Ile Thr Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met  
50 55 60

Phe Val Phe His Met Arg Pro Trp Ser Gly Ile Ser Val Tyr Met Phe

65	70	75	80	
Asn Leu Ala Leu Ala Asp Phe Leu Tyr Val		Leu Thr Leu Pro	Ala Leu	
85		90	95	
Ile Phe Tyr Tyr Phe Asn Lys Thr Asp Trp Ile	Phe Gly Asp Val Met			
100	105		110	
Cys Lys Leu Gln Arg Phe Ile Phe His Val Asn	Leu Tyr Gly Ser Ile			
115	120		125	
Leu Phe Leu Thr Cys Ile Ser Val His Arg Tyr	Thr Gly Val Val His			
130	135		140	
Pro Leu Lys Ser Leu Gly Arg Leu Lys Lys Asn	Ala Val Tyr Val			
145	150		155	160
Ser Ser Leu Val Trp Ala Leu Val Val Ala Val	Ile Ala Pro Ile Leu			
165		170	175	
Phe Tyr Ser Gly Thr Gly Val Arg Arg Asn Lys	Thr Ile Thr Cys Tyr			
180	185		190	
Asp Thr Thr Ala Asp Glu Tyr Leu Arg Ser Tyr	Phe Val Tyr Ser Met			
195	200		205	
Cys Thr Thr Val Phe Met Phe Cys Ile Pro Phe	Ile Val Ile Leu Gly			
210	215		220	
Cys Tyr Gly Leu Ile Val Lys Ala Leu Ile Tyr	Lys Asp Leu Asp Asn			
225	230		235	240
Ser Pro Leu Arg Arg Lys Ser Ile Tyr Leu Val	Ile Ile Val Leu Thr			
245		250	255	
Val Phe Ala Val Ser Tyr Leu Pro Phe His Val	Met Lys Thr Leu Asn			
260	265		270	
Leu Arg Ala Arg Leu Asp Phe Gln Thr Pro Gln	Met Cys Ala Phe Asn			
275	280		285	
Asp Lys Val Tyr Ala Thr Tyr Gln Val Thr Arg	Gly Leu Ala Ser Leu			
290	295		300	
Asn Ser Cys Val Asp Pro Ile Leu Tyr Phe	Leu Ala Gly Asp Thr Phe			
305	310		315	320
Arg Arg Arg Leu Ser Arg Ala Thr Arg Lys	Ser Ser Arg Arg Ser Glu			
325		330	335	
Pro Asn Val Gln Ser Lys Ser Glu Glu Met	Thr Leu Asn Ile Leu Thr			
340	345		350	
Glu Tyr Lys Gln Asn Gly Asp Thr Ser Leu				
355	360			

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<211> 362  
<212> PRT  
<213> MELEAGRIS GALLOPAVO

<400> 4

Met Thr Glu Ala Leu Ile Ser Ala Ala Leu Asn Gly Thr Gln Pro Glu  
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Leu Leu Ala Gly Gly Trp Ala Ala Gly Asn Ala Ser Thr Lys Cys Ser  
20 25 30

Leu Thr Lys Thr Gly Phe Gln Phe Tyr Tyr Leu Pro Thr Val Tyr Ile  
35 40 45

Leu Val Phe Ile Thr Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met  
50 55 60

Phe Val Phe His Met Arg Pro Trp Ser Gly Ile Ser Val Tyr Met Phe  
65 70 75 80

Asn Leu Ala Leu Ala Asp Phe Leu Tyr Val Leu Thr Leu Pro Ala Leu  
85 90 95

Ile Phe Tyr Tyr Phe Asn Lys Thr Asp Trp Ile Phe Gly Asp Val Met  
100 105 110

Cys Lys Leu Gln Arg Phe Ile Phe His Val Asn Leu Tyr Gly Ser Ile  
115 120 125

Leu Phe Leu Thr Cys Ile Ser Val His Arg Tyr Thr Gly Val Val His  
130 135 140

Pro Leu Lys Ser Leu Gly Arg Leu Lys Lys Asn Ala Val Tyr Val  
145 150 155 160

Ser Ser Leu Val Trp Ala Leu Val Val Ala Val Ile Ala Pro Ile Leu  
165 170 175

Phe Tyr Ser Gly Thr Gly Val Arg Arg Asn Lys Thr Ile Thr Cys Tyr  
180 185 190

Asp Thr Thr Ala Asp Glu Tyr Leu Arg Ser Tyr Phe Val Tyr Ser Met  
195 200 205

Cys Thr Thr Val Phe Met Phe Cys Ile Pro Phe Ile Val Ile Leu Gly  
210 215 220

Cys Tyr Gly Leu Ile Val Lys Ala Leu Ile Tyr Lys Asp Leu Asp Asn  
225 230 235 240

Ser Pro Leu Arg Arg Lys Ser Ile Tyr Leu Val Ile Ile Val Leu Thr  
245 250 255

Val Phe Ala Val Ser Tyr Leu Pro Phe His Val Met Lys Thr Leu Asn  
260 265 270

Leu Arg Ala Arg Leu Asp Phe Gln Thr Pro Gln Met Cys Ala Phe Asn  
 275 280 285

Asp Lys Val Tyr Ala Thr Tyr Gln Val Thr Arg Gly Leu Ala Ser Leu  
 290 295 300

Asn Ser Cys Val Asp Pro Ile Leu Tyr Phe Leu Ala Gly Asp Thr Phe  
 305 310 315 320

Arg Arg Arg Leu Ser Arg Ala Thr Arg Lys Ser Ser Arg Arg Ser Glu  
 325 330 335

Pro Asn Val Gln Ser Lys Ser Glu Glu Met Thr Leu Asn Ile Leu Thr  
 340 345 350

Glu Tyr Lys Gln Asn Gly Asp Thr Ser Leu  
 355 360

<210> 5

<211> 373

<212> PRT

<213> BOS TAURUS

<400> 5

Met Thr Glu Val Leu Trp Pro Ala Val Pro Asn Gly Thr Asp Thr Ala  
 1 5 10 15

Phe Leu Ala Asp Pro Gly Ser Pro Trp Gly Asn Ser Thr Val Thr Ser  
 20 25 30

Thr Ala Ala Val Ala Ser Pro Phe Lys Cys Ala Leu Thr Lys Thr Gly  
 35 40 45

Phe Gln Phe Tyr Tyr Leu Pro Ala Val Tyr Ile Leu Val Phe Ile Ile  
 50 55 60

Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met Phe Val Phe His Met  
 65 70 75 80

Lys Pro Trp Ser Gly Ile Ser Val Tyr Met Phe Asn Leu Ala Leu Ala  
 85 90 95

Asp Phe Leu Tyr Val Leu Thr Leu Pro Ala Leu Ile Phe Tyr Tyr Phe  
 100 105 110

Asn Lys Thr Asp Trp Ile Phe Gly Asp Ala Met Cys Lys Leu Gln Arg  
 115 120 125

Phe Ile Phe His Val Asn Leu Tyr Gly Ser Ile Leu Phe Leu Thr Cys  
 130 135 140

Ile Ser Ala His Arg Tyr Ser Gly Val Val Tyr Pro Leu Lys Ser Leu  
 145 150 155 160

Gly Arg Leu Lys Lys Lys Asn Ala Val Tyr Ile Ser Val Leu Val Trp  
 165 170 175

3.000萬兩生銀，即為貿易之元

Leu Ile Val Val Val Gly Ile Ser Pro Ile Leu Phe Tyr Ser Gly Thr  
 180 185 190  
 Gly Ile Arg Lys Asn Lys Thr Ile Thr Cys Tyr Asp Thr Thr Ser Asp  
 195 200 205  
 Glu Tyr Leu Arg Ser Tyr Phe Ile Tyr Ser Met Cys Thr Thr Val Ala  
 210 215 220  
 Met Phe Cys Val Pro Leu Val Leu Ile Leu Gly Cys Tyr Gly Leu Ile  
 225 230 235 240  
 Val Arg Ala Leu Ile Tyr Lys Asp Leu Asp Asn Ser Pro Leu Arg Arg  
 245 250 255  
 Lys Ser Ile Tyr Leu Val Ile Ile Val Leu Thr Val Phe Ala Val Ser  
 260 265 270  
 Tyr Ile Pro Phe His Val Met Lys Thr Met Asn Leu Arg Ala Arg Leu  
 275 280 285  
 Asp Phe Gln Thr Pro Glu Met Cys Ala Phe Asn Asp Arg Val Tyr Ala  
 290 295 300  
 Thr Tyr Gln Val Thr Arg Gly Leu Ala Ser Leu Asn Ser Cys Val Asp  
 305 310 315 320  
 Pro Ile Leu Tyr Phe Leu Ala Gly Asp Thr Phe Arg Arg Arg Leu Ser  
 325 330 335  
 Arg Ala Thr Arg Lys Ala Ser Arg Arg Ser Glu Ala Asn Leu Gln Ser  
 340 345 350  
 Lys Ser Glu Asp Met Thr Leu Asn Ile Leu Ser Glu Phe Lys Gln Asn  
 355 360 365  
 Gly Asp Thr Ser Leu  
 370  
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 <211> 373  
 <212> PRT  
 <213> HOMO SAPIENS  
 <400> 6  
 Met Thr Glu Val Leu Trp Pro Ala Val Pro Asn Gly Thr Asp Ala Ala  
 1 5 10 15  
 Phe Leu Ala Gly Pro Gly Ser Ser Trp Gly Asn Ser Thr Val Ala Ser  
 20 25 30  
 Thr Ala Ala Val Ser Ser Ser Phe Lys Cys Ala Leu Thr Lys Thr Gly  
 35 40 45  
 Phe Gln Phe Tyr Tyr Leu Pro Ala Val Tyr Ile Leu Val Phe Ile Ile

50	55	60	
Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met Phe Val Phe His Met			
65	70	75	80
Lys Pro Trp Ser Gly Ile Ser Val Tyr Met Phe Asn Leu Ala Leu Ala			
85	90	95	
Asp Phe Leu Tyr Val Leu Thr Leu Pro Ala Leu Ile Phe Tyr Tyr Phe			
100	105	110	
Asn Lys Thr Asp Trp Ile Phe Gly Asp Ala Met Cys Lys Leu Gln Arg			
115	120	125	
Phe Ile Phe His Val Asn Leu Tyr Gly Ser Ile Leu Phe Leu Thr Cys			
130	135	140	
Ile Ser Ala His Arg Tyr Ser Gly Val Val Tyr Pro Leu Lys Ser Leu			
145	150	155	160
Gly Arg Leu Lys Lys Lys Asn Ala Ile Cys Ile Ser Val Leu Val Trp			
165	170	175	
Leu Ile Val Val Val Ala Ile Ser Pro Ile Leu Phe Tyr Ser Gly Thr			
180	185	190	
Gly Val Arg Lys Asn Lys Thr Ile Thr Cys Tyr Asp Thr Thr Ser Asp			
195	200	205	
Glu Tyr Leu Arg Ser Tyr Phe Ile Tyr Ser Met Cys Thr Thr Val Ala			
210	215	220	
Met Phe Cys Val Pro Leu Val Leu Ile Leu Gly Cys Tyr Gly Leu Ile			
225	230	235	240
Val Arg Ala Leu Ile Tyr Lys Asp Leu Asp Asn Ser Pro Leu Arg Arg			
245	250	255	
Lys Ser Ile Tyr Leu Val Ile Ile Val Leu Thr Val Phe Ala Val Ser			
260	265	270	
Tyr Ile Pro Phe His Val Met Lys Thr Met Asn Leu Arg Ala Arg Leu			
275	280	285	
Asp Phe Gln Thr Pro Ala Met Cys Ala Phe Asn Asp Arg Val Tyr Ala			
290	295	300	
Thr Tyr Gln Val Thr Arg Gly Leu Ala Ser Leu Asn Ser Cys Val Asp			
305	310	315	320
Pro Ile Leu Tyr Phe Leu Ala Gly Asp Thr Phe Arg Arg Arg Leu Ser			
325	330	335	
Arg Ala Thr Arg Lys Ala Ser Arg Arg Ser Glu Ala Asn Leu Gln Ser			
340	345	350	
Lys Ser Glu Asp Met Thr Leu Asn Ile Leu Pro Glu Phe Lys Gln Asn			

355	360	365
Gly Asp Thr Ser Leu		
370		
<210> 7		
<211> 373		
<212> PRT		
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<400> 7		
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Thr Ala Ala Val Ser Ser Ser Phe Arg Cys Ala Leu Ile Lys Thr Gly		
35 40 45		
Phe Gln Phe Tyr Tyr Leu Pro Ala Val Tyr Ile Leu Val Phe Ile Ile		
50 55 60		
Gly Phe Leu Gly Asn Ser Val Ala Ile Trp Met Phe Val Phe His Met		
65 70 75 80		
Lys Pro Trp Ser Gly Ile Ser Val Tyr Met Phe Asn Leu Ala Leu Ala		
85 90 95		
Asp Phe Leu Tyr Val Leu Thr Leu Pro Ala Leu Ile Phe Tyr Tyr Phe		
100 105 110		
Asn Lys Thr Asp Trp Ile Phe Gly Asp Val Met Cys Lys Leu Gln Arg		
115 120 125		
Phe Ile Phe His Val Asn Leu Tyr Gly Ser Ile Leu Phe Leu Thr Cys		
130 135 140		
Ile Ser Ala His Arg Tyr Ser Gly Val Val Tyr Pro Leu Lys Ser Leu		
145 150 155 160		
Gly Arg Leu Lys Lys Lys Asn Ala Ile Tyr Val Ser Val Leu Val Trp		
165 170 175		
Leu Ile Val Val Val Ala Ile Ser Pro Ile Leu Phe Tyr Ser Gly Thr		
180 185 190		
Gly Ile Arg Lys Asn Lys Thr Val Thr Cys Tyr Asp Ser Thr Ser Asp		
195 200 205		
Glu Tyr Leu Arg Ser Tyr Phe Ile Tyr Ser Met Cys Thr Thr Val Ala		
210 215 220		
Met Phe Cys Ile Pro Leu Val Leu Ile Leu Gly Cys Tyr Gly Leu Ile		
225 230 235 240		

Val Arg Ala Leu Ile Tyr Lys Asp Leu Asp Asn Ser Pro Leu Arg Arg  
 245 250 255  
 Lys Ser Ile Tyr Leu Val Ile Ile Val Leu Thr Val Phe Ala Val Ser  
 260 265 270  
 Tyr Ile Pro Phe His Val Met Lys Thr Met Asn Leu Arg Ala Arg Leu  
 275 280 285  
 Asp Phe Gln Thr Pro Glu Met Cys Asp Phe Asn Asp Arg Val Tyr Ala  
 290 295 300  
 Thr Tyr Gln Val Thr Arg Gly Leu Ala Ser Leu Asn Ser Cys Val Asp  
 305 310 315 320  
 Pro Ile Leu Tyr Phe Leu Ala Gly Asp Thr Phe Arg Arg Arg Leu Ser  
 325 330 335  
 Arg Ala Thr Arg Lys Ala Ser Arg Arg Ser Glu Ala Asn Leu Gln Ser  
 340 345 350  
 Lys Ser Glu Glu Met Thr Leu Asn Ile Leu Ser Glu Phe Lys Gln Asn  
 355 360 365  
 Gly Asp Thr Ser Leu  
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 <211> 387  
 <212> PRT  
 <213> HOMO SAPIENS  
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 Asn Cys Cys Val Phe Arg Asp Asp Phe Ile Ala Lys Val Leu Pro Pro  
 20 25 30  
 Val Leu Gly Leu Glu Phe Ile Phe Gly Leu Leu Gly Asn Gly Leu Ala  
 35 40 45  
 Leu Trp Ile Phe Cys Phe His Leu Lys Ser Trp Lys Ser Ser Arg Ile  
 50 55 60  
 Phe Leu Phe Asn Leu Ala Val Ala Asp Phe Leu Leu Ile Ile Cys Leu  
 65 70 75 80  
 Pro Phe Val Met Asp Tyr Tyr Val Arg Arg Ser Asp Trp Asn Phe Gly  
 85 90 95  
 Asp Ile Pro Cys Arg Leu Val Leu Phe Met Phe Ala Met Asn Arg Gln  
 100 105 110  
 Gly Ser Ile Ile Phe Leu Thr Val Val Ala Val Asp Arg Tyr Phe Arg  
 115 120 125

Val Val His Pro His His Ala Leu Asn Lys Ile Ser Asn Trp Thr Ala  
 130 135 140  
 Ala Ile Ile Ser Cys Leu Leu Trp Gly Ile Thr Val Gly Leu Thr Val  
 145 150 155 160  
 His Leu Leu Lys Lys Lys Leu Leu Ile Gln Asn Gly Pro Ala Asn Val  
 165 170 175  
 Cys Ile Ser Phe Ser Ile Cys His Thr Phe Arg Trp His Glu Ala Met  
 180 185 190  
 Phe Leu Leu Glu Phe Leu Leu Pro Leu Gly Ile Ile Leu Phe Cys Ser  
 195 200 205  
 Ala Arg Ile Ile Trp Ser Leu Arg Gln Arg Gln Met Asp Arg His Ala  
 210 215 220  
 Lys Ile Lys Arg Ala Ile Thr Phe Ile Met Val Val Ala Ile Val Phe  
 225 230 235 240  
 Val Ile Cys Phe Leu Pro Ser Val Val Val Arg Ile Arg Ile Phe Trp  
 245 250 255  
 Leu Leu His Thr Ser Gly Thr Gln Asn Cys Glu Val Tyr Arg Ser Val  
 260 265 270  
 Asp Leu Ala Phe Phe Ile Thr Leu Ser Phe Thr Tyr Met Asn Ser Met  
 275 280 285  
 Leu Asp Pro Val Val Tyr Tyr Phe Ser Ser Pro Ser Phe Pro Asn Phe  
 290 295 300  
 Phe Ser Thr Leu Ile Asn Arg Cys Leu Gln Arg Lys Met Thr Gly Glu  
 305 310 315 320  
 Pro Asp Asn Asn Arg Ser Thr Ser Val Glu Leu Thr Gly Asp Pro Asn  
 325 330 335  
 Lys Thr Arg Gly Ala Pro Glu Ala Leu Met Ala Asn Ser Gly Glu Pro  
 340 345 350  
 Trp Ser Pro Ser Tyr Leu Gly Pro Thr Ser Asn Asn His Ser Lys Lys  
 355 360 365  
 Gly His Cys His Gln Glu Pro Ala Ser Leu Glu Lys Gln Leu Gly Cys  
 370 375 380  
 Cys Ile Glu  
 385  
 <210> 9  
 <211> 319  
 <212> PRT  
 <213> HOMO SAPIENS

<400> 9

Met Pro Phe Pro Asn Cys Ser Ala Pro Ser Thr Val Val Ala Thr Ala  
1 5 10 15

Val Gly Val Leu Leu Gly Leu Glu Cys Gly Leu Gly Leu Leu Gly Asn  
20 25 30

Ala Val Ala Leu Trp Thr Phe Leu Phe Arg Val Arg Val Trp Lys Pro  
35 40 45

Tyr Ala Val Tyr Leu Leu Asn Leu Ala Leu Asp Leu Leu Leu Ala  
50 55 60

Ala Cys Leu Pro Phe Leu Ala Ala Phe Tyr Leu Ser Leu Gln Ala Trp  
65 70 75 80

His Leu Gly Arg Val Gly Cys Trp Ala Leu Arg Phe Leu Leu Asp Leu  
85 90 95

Ser Arg Ser Val Gly Met Ala Phe Leu Ala Ala Val Ala Leu Asp Arg  
100 105 110

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Arg Cys His Ser Phe Tyr Ser Arg Ala Asp Gly Ser Phe Ser Ile Ile  
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Trp Gln Glu Ala Leu Ser Cys Leu Gln Phe Val Leu Pro Phe Gly Leu  
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Ile Val Phe Cys Asn Ala Gly Ile Ile Arg Ala Leu Gln Lys Arg Leu  
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Leu Cys Ala Val Ala His Thr Ser Asp Val Thr Gly Ser Leu Thr Tyr  
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